| Department of Health and Human Services | | | LEAVE BLANK—For PHS use only. | | | | | |
|--|---|---|---|------------------------------|------------------|---------------------|--|-------------|
| Public Ruth L. Kirschstein Nati | Health Service | n Service Av | ward | Туре | | Activity | Number | |
| Individual Fello | owship App | olication | | Review | Grou | ıp | Formerly | |
| .Do not exceed charac | cter length restrictions in | dicated . | | Meeting | g Date | es | Date Received | |
| 1. TITLE OF RESEARCH TRAINING | PROPOSAL (Do not e | exceed 56 charact | ters, inclu | ding spac | es an | nd punctuation.) | | |
| 2. LEVEL OF FELLOWSHIP | | | 3. PRO | GRAM AN | NNOL | JNCEMENT/REQI | JEST FOR APPLICATIONS | |
| 4a. NAME OF APPLICANT (Last, first | t, middle initial) | | 4b. E-N | IAIL ADDI | RESS | 6 | 4c. HIGHEST DEGREE(S | 3) |
| 4d. PRESENT MAILING ADDRESS (| Street, city, state, zip c | ode) | 4e. PEI | RMANEN ⁻ | T MAI | ILING ADDRESS | (Street, city, state, zip code) | |
| 4f. OFFICE TELEPHONE NO.(Area code, no. , and ext.) | 4g. HOME TELEPH (Area code and no.) | IONE NO. | | RMANEN code and r | | IONE NO. | 4i. FAX NUMBER (Area cod no.) | le and |
| 4j. U.S. CITIZEN OR U.S. NONCITIZ | ZEN NATIONAL | or | | PERMANE | ENT F | RESIDENT OF U. | S. | |
| 5. TRAINING UNDER PROPOSED A | WARD (See Fields of | Training) | | | | | RENT NRSA SUPPORT (Ind | lividual or |
| Discipline No. Subcategory Name | | | | In | stituti | , ′ — | If "Yes," refer to item 24, Forn | n Page 5) |
| 7a. DATES OF PROPOSED AWARD | 7B. PROP | OSED AWARD D | URATIO | N | | 8. DEGREE SOL | IGHT DURING PROPOSED | |
| From (MM/DD/YY) Through (MM/DD/YY) (in months) | | | | | | AWARD Degree | Expected Completion | Date |
| | SPON | SOR COMPLET | ES ITEM | S 9 throu | ugh 1 | 4 | | |
| 9. HUMAN SUBJECTS NO YES 11a. NAME OF SPONSOR (Last, first | 9b. Human Subjects Assurance No. | 9c. NIH-Defined Phase III Clinica NO YES | ıl Trial | 10a. VER | RTEBF O ES | RATE ANIMALS | 10b. Animal Welfare Assura | nce No. |
| , | , middie miliar) | | | | PRU | POSED SPONSO | KING INSTITUTION | |
| Telephone FAX | | | Addres | SS | | | | |
| E-mail Address | | | | | | | | |
| 11c. DEPARTMENT, SERVICE, LABO | ORATORY, OR EQUIN | /ALENT | | | | | | |
| 11d. MAJOR SUBDIVISION | | | 12. ENTITY IDENTIFICATION NO. DUNS NO. (if available) | | | | | |
| 13. NAME AND TEL. NO. OF ADVISO | OR IF DIFFERENT FR | OM 11a. | - | | | CIAL IN BUSINESS | S OFFICE | |
| Telephone Name and address of institution where different from Item 11 b. | e research training will | take place if | Teleph FAX Title Addres | | | | | |
| Address | | | E-mail | | | | | |
| 15. APPLICANT CERTIFICATION AN and I agree to comply with the terms a fraudulent statements or claims may s Research Service Award Assurance, to | nd conditions of award ubject me to criminal, on that I will abide by the A | d if an award is iss civil, or administra | ued as a tive pena | result of tl Ities. I cei | his ap | oplication. I am av | vare that any false, fictitious, Ruth L. Kirschstein National | or |
| SIGNATURE (Required of each applied | cant) | | DATE | | | | | |

| Department of Healt | LEAVE BLANK—For PHS use only. | | | | | | |
|--|--|--|--|---|--|--|--|
| | alth Service nal Research Service Award | Туре | Activity | Number | | | |
| | wship Application | Review Group Formerly | | | | | |
| | length restrictions indicated . | Meeting Dates | | Date Received | | | |
| | PROPOSAL <i>(Do not exceed 56 character</i> eed <mark>56 characters, including space</mark> | | | | | | |
| 2. LEVEL OF FELLOWSHIP | onaractors, morating opace | | | EQUEST FOR APPLICATIONS | | | |
| 14 | | 10 | | | | | |
| 4a. NAME OF APPLICANT (Last, first | | 4b. E-MAIL ADDF | | 4c. HIGHEST DEGREE(S) 4,4,4 | | | |
| 4d. PRESENT MAILING ADDRESS (\$ 32 32 32 32 32 | | 32 32 32 32 32 | 4e. PERMANENT MAILING ADDRESS (Street, city, state, zip code) 32 32 32 32 32 | | | | |
| 4f. OFFICE TELEPHONE NO.(Area code, no. , and ext.) 25 | .9 | 4h. PERMANENT P (Area code and no.) | HONE NO. | 4i. FAX NUMBER (Area code and no.) | | | |
| 4j. U.S. CITIZEN OR U.S. NONCITIZ | EN NATIONAL or | DEDMANIENS | RESIDENT OF U | .s. 7 | | | |
| 5. TRAINING UNDER PROPOSED A | | . — | | A SUPPORT (Individual or | | | |
| Discipline No. Subcategory Name | | □ NO [| YES (If " | Yes," refer to item 24, Form Page 5) | | | |
| 7a. DATES OF PROPOSED AWARD | 7B. PROPOSED AWARD DU | RATION | 8. DEGREE SOL AWARD | JGHT DURING PROPOSED | | | |
| From (MM/DD/YY) Through (MM/D | (in months) | | Degree 4 | Expected Completion Date | | | |
| 0 0 | 2 | | • | 8 | | | |
| | SPONSOR COMPLETES SPONSOR COMPLETES SPONSOR COMPLETES | | 14 | 10b Animal Welfare Assurance No | | | |
| 9. HUMAN SUBJECTS NO If "Yes" Exemption N | 9b. Human Subjects Assurance No. | 10a. VERTEE | • | 10b. Animal Welfare Assurance No. | | | |
| 9. HUMAN SUBJECTS NO YES YES 9a. Research Exempton No YES If "Yes" Exemption No | 9b. Human Subjects Assurance No. | Trial 10a. VERTEE NO YES | 14 BRATE ANIMALS 10 | 10b. Animal Welfare Assurance No. | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption N 8 11a. NAME OF SPONSOR (Last, first) | 9b. Human Subjects Assurance No. | Trial 10a. VERTEE NO YES | 14 BRATE ANIMALS 10 | SORING INSTITUTION 40 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption N 11a. NAME OF SPONSOR (Last, first) | 9b. Human Subjects Assurance No. | Trial 10a. VERTEE NO YES | 14 BRATE ANIMALS 10 | 9 SORING INSTITUTION | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption No 11a. NAME OF SPONSOR (Last, first) 30 Telephone FAX 25 E-mail Address 40 | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO NO. 9c. YES | Trial 10a. VERTEE NO YES | 14 BRATE ANIMALS 10 | SORING INSTITUTION 40 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption N 11a. NAME OF SPONSOR (Last, first) Telephone FAX 9a. Research Exempt NO YES S 16 "Yes" Exemption N 30 25 | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO NO. 9c. YES | Trial 10a. VERTEE NO YES | 14 BRATE ANIMALS 10 | SORING INSTITUTION 40 32 32 | | | |
| 9a. Research Exempton No YES If "Yes" Exemption No Subjects 11a. NAME OF SPONSOR (Last, first) 30 Telephone 25 FAX 25 E-mail Address 40 11c. DEPARTMENT, SERVICE, LAST 30 11d. MAJOR SUBDIVISION | ot 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO NO. 9c. YES | Trial 10a. VERTEE NO YES 11b. NAME OF P Address | 14 BRATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO | 9 SORING INSTITUTION 40 32 32 32 32 32 32 | | | |
| 9. HUMAN SUBJECTS NO YES 11a. NAME OF SPONSOR (Last, first) 30 Telephone FAX E-mail Address 9a. Research Exempt NO YES S 11 "Yes" Exemption N 25 E-mail Address 40 30 | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO No. 9c. NiH-Defined Phase III Clinical NO YES | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDEI DUNS NO. (if av | 14 BRATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO | 9 SORING INSTITUTION 40 32 32 32 32 32 32 32 32 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption N 30 Telephone FAX E-mail Address 11c. DEPARTMENT, SERVICE, LA 30 11d. MAJOR SUBDIVISION 30 13. NAME AND TEL. NO. OF ADVISO 30 | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO No. 9c. NiH-Defined Phase III Clinical NO YES | 10a. VERTEE NO NO YES 11b. NAME OF P Address 12. ENTITY IDE DUNS NO. (if av 14. NAME OF C | 14 BRATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO | 9 SORING INSTITUTION 40 32 32 32 32 32 0. 12 13 NESS OFFICE | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption N 30 Telephone FAX E-mail Address 11c. DEPARTMENT, SERVICE, LA 30 11d. MAJOR SUBDIVISION 30 13. NAME AND TEL. NO. OF ADVISOR | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO No. 9c. NIH-Defined Phase III Clinical NO YES. | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDEI DUNS NO. (if av | 14 BRATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO | 9 SORING INSTITUTION 40 32 32 32 32 32 32 13 NESS OFFICE | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption No YES If "Yes" Exemption No 30 Telephone 25 The DEPARTMENT, SERVICE, LA 30 Telephone 30 Te | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO No. 9c. NIH-Defined Phase III Clinical NO YES. | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDE DUNS NO. (if av 14. NAME OF O Telephone | 14 BRATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO | 9 SORING INSTITUTION 40 32 32 32 32 32 32 32 32 32 5 13 NESS OFFICE 30 25 25 30 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption N 30 Telephone 25 FAX 25 E-mail Address 40 11d. MAJOR SUBDIVISION 30 13. NAME AND TEL. NO. OF ADVISO 30 Telephone 25 NAME AND TEL. NO. OF ADVISO 30 Telephone 25 Name and address of institution where different from Item 11 b. | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO No. 9c. NIH-Defined Phase III Clinical NO YES. | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDEI DUNS NO. (if av 14. NAME OF O Telephone FAX | 14 BRATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO | 9 SORING INSTITUTION 40 32 32 32 32 32 32 32 0. 12 13 NESS OFFICE 30 25 25 30 32 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption N 30 Telephone 11c. DEPARTMENT, SERVICE, LA 30 11d. MAJOR SUBDIVISION 30 13. NAME AND TEL. NO. OF ADVISO Name and address of institution where different from Item 11 b. 40 Address 32 | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO No. 9c. NIH-Defined Phase III Clinical NO YES. | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDE DUNS NO. (if av 14. NAME OF C Telephone FAX Title | 14 BRATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO | 9 SORING INSTITUTION 40 32 32 32 32 32 32 0. 12 13 NESS OFFICE 30 25 25 25 30 32 32 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption No YES If "Yes" Exemption No Subject No Yes If "Yes" Exemption No | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO No. 9c. NIH-Defined Phase III Clinical NO YES. | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDE DUNS NO. (if av 14. NAME OF C Telephone FAX Title | 14 BRATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO | 9 SORING INSTITUTION 40 32 32 32 32 32 32 32 0. 12 13 NESS OFFICE 30 25 25 30 32 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption No YES If "Yes" Exemption No 30 Telephone 25 E-mail Address 40 11d. MAJOR SUBDIVISION 30 13. NAME AND TEL. NO. OF ADVISO Telephone 25 Name and address of institution where different from Item 11 b. Address 32 32 32 32 | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO No. 9c. NIH-Defined Phase III Clinical NO YES. | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDE DUNS NO. (if av 14. NAME OF C Telephone FAX Title Address | 14 BRATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO | 9 SORING INSTITUTION 40 32 32 32 32 32 32 32 0. 12 13 NESS OFFICE 30 25 25 25 30 32 32 32 32 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption No YES If "Yes" Exemption No 30 Telephone 25 FAX 25 E-mail Address 40 11d. MAJOR SUBDIVISION 30 13. NAME AND TEL. NO. OF ADVISO Name and address of institution where different from Item 11 b. Address 32 32 32 32 32 | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO NO. 9c. NIH-Defined Phase III Clinical NO NO. 9c. NIH-Defined Phase III Clinical NO NO. NO. 9c. NIH-Defined Phase III Clinical NO NO. NO. 9c. NIH-Defined Phase III Clinical NO. NO. 9c. NIH-Defined Phase III Clin | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDE DUNS NO. (if av 14. NAME OF C Telephone FAX Title Address E-mail | TO ROPOSED SPONS NTIFICATION NO ailable) FFICIAL IN BUSI | 9 SORING INSTITUTION 40 32 32 32 32 32 32 32 32 32 32 32 32 32 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption No YES If "Yes" Exemption No Subject Subje | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO NO. 9c. NIH-Defined Phase III Clinical NO. | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDEI DUNS NO. (if av 14. NAME OF C Telephone FAX Title Address E-mail nents herein are true, d as a result of this ap | RATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO ailable) FFICIAL IN BUSI complete, and accoplication. I am aw | SORING INSTITUTION 40 32 32 32 32 32 32 32 32 32 32 32 32 32 | | | |
| 9. HUMAN SUBJECTS NO YES If "Yes" Exemption No YES If "Yes" Exemption No Subject No Yes If "Yes" Exemption No | 9b. Human Subjects Assurance No. 9c. NIH-Defined Phase III Clinical NO No. 9c. NIH-Defined Phase III Clinical NO NO. 9c. NIH-Defined Phase III Clinical NO NO. 9c. NIH-Defined Phase III Clinical NO. 9c. | 10a. VERTEE NO YES 11b. NAME OF P Address 12. ENTITY IDE DUNS NO. (if av 14. NAME OF O Telephone FAX Title Address E-mail nents herein are true, d as a result of this age penalties. I certify the | RATE ANIMALS 10 ROPOSED SPONS NTIFICATION NO ailable) FFICIAL IN BUSI complete, and accoplication. I am award I have read the | SORING INSTITUTION 40 32 32 32 32 32 32 32 32 32 32 32 32 32 | | | |

| Kirschstein-NRSA Individual Fellowship Applica | NAME OF APPLICANT (Last, first, middle initial) |
|---|---|
| (To be completed by applicant follow PHS 416-1 instructions) | |
| 16. APPLICANT'S EDUCATION | |
| DEGREE MONTH(mm) YEAR (yyyy) FIELD | INSTITUTION MENTOR |
| | |
| | |
| | |
| | |
| 17. APPLICANT'S TRAINING/EMPLOYMENT (After college) ACTIVITY/ BEGINNING ENDING | |
| OCCUPATION DATE (mm/yy) DATE (mm/yy) FIE | LD INSTITUTION/COMPANY SUPERVISOR/EMPLOYER |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| 18. GOALS FOR KIRSCHSTEIN-NRSA FELLOWSHIP TRAINING AND CAREE | R |
| 10. GOALG FOR MINOSTOTEIN WHOAT ELECTROFIII THAINING AND GARLE | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| SPONSO | PR |
| 19. NAME AND DEGREE(S) | |
| 20. POSITION/RANK | |
| 21. RESEARCH INTERESTS/AREAS | |
| | |
| | |
| RESEARCH PR | OPOSAL |
| 22. DESCRIPTION | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Kirschstein-NRSA Individual Fellowship Application **Table of Contents**

NAME OF APPLICANT(Last, first, middle initial)

Page Numbers (Number pages consecutively at the bottom throughout the application. Do not use suffixes such as 6a, 6b.) Section 1 — Applicant Face Page (Items 1-8, 15), Page 2 (Items 16-18, 22), and Table of Contents (Form Page 3) 1-3 Scholastic Performance (Form Page 4) 4 5 Background (Form Page 5) Research Experience (Form Page 6) a. Summary b. Doctoral Dissertation c. Publications Revised Application Research Training Plan a. Activities Under Award b. Research Training Proposal..... (1) Specific Aims...... (4) Literature Cited..... (5) Human Subjects Research (Required if Item 9 on the Face Page is marked "Yes") (6) Data and Safety Monitoring Plan (Required if Item 9c on the Face Page is marked "Yes" and a Phase I, II, or III clinical trial is proposed) (7) Vertebrate Animals (Required if Item 10a on the Face Page is marked "Yes") Respective Contributions d. Selection of Sponsor and Institution..... e. Responsible Conduct of Research..... Section 2 — Sponsor Biographical Sketch (Form Page 7)..... Research and Training Support/Previous Trainees (Form Page 8) Facilities and Commitment Statement (Form Page 8)..... Training Plan, Environment, Research Facilities Number of Fellows/Trainees to be Supervised Applicant's Qualifications and Potential Human Subjects Vertebrate Animals Checklist (Form Page 9)..... Section 3 — References (Minimum of 3) (See instructions for submission of references) List full name, institution, and department of individuals submitting reference letters. Other Items (list): Personal Data Page for Fellowship Applicants Section 4 — Appendix

☐ Check if Appendix is included

(3 collated sets. No page numbering necessary. Not to exceed 3 publications; 2 for predoctoral candidates.)

Kirschstein-NRSA Individual Fellowship Application Scholastic Performance

NAME OF APPLICANT (Last, first, middle initial)

(To be completed by applicant--follow PHS 416-1 instructions.)

23. SCHOLASTIC PERFORMANCE: **Predoctoral** applicants: List by institution and year all undergraduate and graduate courses with grades. **Postdoctoral** applicants: List by institution and year all undergraduate scientific and/or professional courses germane to the training sought under this award with grades. Complete block at bottom of page, if applicable. **Senior** applicants: Omit this page.

| SCIENCE | | | | OTHER | |
|---------|--------------|-------|------|--------------|------|
| AR | COURSE TITLE | GRADE | YEAR | COURSE TITLE | GRAI |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | 1 | | |

Graduate Record Examination, if available.

PART I (Form Pages 1 to 6,9)

Kirschstein-NRSA Individual Fellowship Application **Background**

| NAME OF APPLICANT (Last, first, middle initial) |
|---|
| |
| |

| Васкground | |
|---|---|
| (To be completed by applicantfollow PHS 416-1 instructions.) 24. PRIOR AND/OR CURRENT KIRSCHSTEIN-NRSA SUPPORT. List typ | e (individual and/or institutional), level (pre or post), dates, and grant or |
| award numbers. | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| 25a. ACADEMIC AND PROFESSIONAL HONORS. Include all scholarships Kirschstein–NRSA. Indicate source of awards (NSF, Woodrow Wilson, etc.) applicable. | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| 25b. TITLE(S) OF THESIS/DISSERTATION(S) | |
| | |
| 26. NAME OF DISSERTATION ADVISOR OR CHIEF OF SERVICE (If reference report not included, explain why not.) | TITLE, DEPARTMENT, AND INSTITUTION |
| | |
| | |
| | |
| 27. APPLICATION FOR CONCURRENT SUPPORT | |
| the period covered by this application. Include the t | |
| Type: Source: | Dates: Amount:: |
| Туре: | Dates: |
| Source: | Amount:: |
| Type: Source: | Dates: Amount:: |
| Type: | Dates: |
| Source: | Amount:: |
| Type: Source: | Dates: Amount:: |

Kirschstein-NRSA Individual Fellowship Application Research

NAME OF APPLICANT (Last, first, middle initial)

(To be completed by applicant--follow PHS 416-1 instructions.)

- 28. RESEARCH EXPERIENCE
 - a. Summary
 - b. Doctoral Dissertation
 - c. Publications (published, accepted, submitted, or in preparation)
- 29. REVISED APPLICATION
- 30. RESEARCH TRAINING PLAN

a. Approximate percentage of proposed award time in activities identified below. (See instructions.)

| Year | Research | Course Work | Teaching | Clinical |
|--------|----------|-------------|----------|----------|
| First | | | | |
| Second | | | | |
| Third | | | | |

- b. Research Training Proposal
- c. Respective Contributions
- d. Selection of Sponsor and Institution
- e. Responsible Conduct of Research

Personal Data on Kirschstein-NRSA Individual Fellowship Applicant

Clip this form to the signed original of the application after the checklist. Do not duplicate. NAME OF APPLICANT (Last, first, middle initial)

The Public Health Service has a continuing commitment to monitor the operation of its review and award processes to detect—and deal appropriately with—any instances of real or apparent inequities with respect to age, sex, race, or ethnicity of the proposed applicant.

To provide the PHS with the information it needs for this important task, complete the form below and attach it to the signed original of the application after the Checklist. **Do not attach copies of this form to the duplicated copies of the application.**

Upon receipt of the application by the PHS, this form will be separated from the application. This form will **not** be duplicated, and it will **not** be a part of the review process. Data will be confidential, and will be maintained in Privacy Act record system 09-25-0036, "Grants: IMPAC (Grant/Contract Information)." The PHS requests Social Security Numbers for accurate identification, referral, and review of applications and for management of PHS grant programs. Provision of the Social Security Number is voluntary. No individual will be denied any right, benefit, or privilege provided by law because of refusal to disclose his or her Social Security Number. The PHS requests the Social Security Number under Sections 301(a) and 487 of the PHS Acts as amended (42 U.S.C 241a and U.S.C. 288). All analyses conducted on the date of birth and race and/or ethnic origin data will report aggregate statistical findings only and will not identify individuals. If you decline to provide this information, it will in no way affect consideration of your application. Your cooperation will be appreciated.

| DATE OF E | BIRTH (MM/DD/YY) | SEX | //GENDE | R | |
|--------------------------|---|---------|-----------|-------|---|
| SOCIAL SE | ECURITY NUMBER | | Female | | Male |
| ETHNICI | ITY | | | | |
| 1. Do you | u consider yourself to be Hispanic or Latino? (See de | finitio | on belo | w.) |) Select one. |
| • | Hispanic or Latino. A person of Mexican, Puerto Rica origin, regardless of race. The term, "Spanish origin," car | | | | |
| | Hispanic or Latino | | | | |
| | Not Hispanic or Latino | | | | |
| RACE | | | | | |
| What r | race do you consider yourself to be? Select one or m | ore o | of the fo | ollo | owing. |
| | American Indian or Alaska Native. A person having America, and who maintains tribal affiliation or communit | _ | | • | of the original peoples of North, Central, or South |
| | Asian. A person having origins in any of the Indian subcontinent, including, for example, Cambodia Islands, Thailand, and Vietnam. (Note: Individuals from previous data collection strategies.) | , Čhi | ina, İnd | ia, . | Japan, Korea, Malaysia, Pakistan, the Philippine |
| | Black or African American. A person having origins in "Negro" can be used in addition to "Black" or African Ame | | | ack | k racial groups of Africa. Terms such as "Haitian" or |
| | Native Hawaiian or Other Pacific Islander. A person Samoa, or other Pacific Islands. | n hav | ving ori | gins | s in any of the original peoples of Hawaii, Guam, |
| | White. A person having origins in any of the original peop | oles o | of Europ | e, th | he Middle East, or North Africa. |
| | Check here if you do not wish to provide some or all of the | e abo | ove infor | mat | ation. |

BIOGRAPHICAL SKETCH

Provide the following information for the sponsor (and co-sponsor, if applicable) in the format indicated. Use a separate Form Page 7 for each biographical sketch submitted. **DO NOT EXCEED FOUR PAGES** Also, complete items 9 through 14 on Form Page 1, and items 19, 20 and 21 on Form Page 2.

| NAME OF SPONSOR (CO-SPONSOR) | POSITION TITL | POSITION TITLE | | | | |
|--|------------------------|-------------------------|----------------------------|--|--|--|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| EDUCATION/TRAINING (Begin with baccalaureate or other initial profes | ssional education, suc | h as nursing, and inclu | de postdoctoral training.) | | | |
| INSTITUTION AND LOCATION | DEGREE | YEAR(s) | FIELD OF STUDY | | | |
| MOTHOR AND EGOTHOR | (if applicable) | 1 = 7 (1 ((0) | 11223 31 31331 | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

NOTE: The Biographical Sketch may not exceed four pages. Items A and B may not exceed two of the four-page limit.

- **A. Positions and Honors.** List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.
- **B. Selected peer-reviewed publications (in chronological order).** Do not include publications submitted or in preparation.
- **C. Research Support.** List selected ongoing or completed (during the last three years) research projects (Federal and non-Federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and responsibilities of the sponsor (co-sponsor) identified above.

BIOGRAPHICAL SKETCH

Provide the following information for the sponsor (co-sponsor). **DO NOT EXCEED FOUR PAGES.**

| NAME OF SPONSOR (CO-SPONSOR) | POSITION TITL | | | |
|--|-----------------|----------|----------------|--|
| | | | | |
| | | | | |
| | | | | |
| EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.) | | | | |
| INSTITUTION AND LOCATION | DEGREE | YEAR(s) | FIELD OF STUDY | |
| MOTTO TON AND LOOK HON | (if applicable) | 12/11(0) | 11220 01 01001 | |
| | İ | | | |
| | I | | | |
| | İ | | | |
| | I | | | |
| | I | | | |
| | 1 | | | |

Kirschstein-NRSA Individual Fellowship Application Facilities and Commitment

NAME OF APPLICANT (Last, first, middle initial)

| Facilities and Commitment | | | |
|---|---|-----------------------|-------------------|
| (To be completed by sponsorfollow PHS 416-1 instructions. | .) | | |
| 32. Identify the research and research training support available to the | e sponsor and the applicant during period of pr | oposed award. | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 33. SPONSOR'S PREVIOUS FELLOWS/TRAINEES | | | |
| Give total number of pre- and postdoctoral individuals and provious and position titles or occupations. | de information on a representative five. List the | neir present employ | ing organizations |
| and position titles of occupations. | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| FACILITIES AND COMMITMENT STATEMENT In the space below and on continuation pages, complete the following | items. Identify each item by number and title. | | |
| 34. Training Plan, Environment, Research Facilities. | | | |
| Describe the research training plan for the applicant, Include such | n items as classes, seminars, and opportunities | for interaction with | other groups |
| and scientists. Describe the research environment and available | | | |
| groups evaluate the applicant and the proposed training. Indicate Describe the skills, techniques, etc., that the applicant will learn a | | ning to the applicant | s career. |
| 35. Number of Fellows/Trainees to be Supervised During the Fellows | | | |
| 36. Applicant's Qualifications and Potential for a Research Career. | pa.satee s satasate.a | | |
| 37. Human Subjects/Vertebrate Animals Use and Description. | | | |
| 77. Harrian Gubjetto Vertebrate Aminato Gue and Decomption. | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| OO OFFICIATION W. II | | | |
| 38. CERTIFICATION: We, the undersigned, certify that the statemed application results in an award, appropriate training, adequate facilities | | | |
| Public Health Service terms and conditions of award. We are aware t | | | |
| civil, or administrative penalties. | | | |
| SIGNATURE | TYPED NAME | OFFICE | DATE |

| SPONSOR | | |
|---|--|--|
| DEPARTMENT HEAD | | |
| OFFICIAL SIGNING FOR SPONSORING INSTITUTION | | |

PHS 416-1 (Rev. 06/02) Page ____ (Form Page 8)

| | | NAME OF APPLICANT (Last, first, middle initial) | | | |
|--|--|--|--|--|--|
| | Kirschstein–NRSA Individual Fellowship Application | TV WILL OF YATE LIOUTE (Last, mot, madre minut) | | | |
| | Checklist | | | | |
| | Applicant completes Section 1. Sponsor completes Section II. | | | | |
| Se | ction 1Applicant | | | | |
| A. | TYPE OF APPLICATION | | | | |
| | NEW application (This application is being submitted to the PHS | for the first time) | | | |
| | COMPETING CONTINUATION of award number | or the mst une.) | | | |
| | (This application is to extend a funded award beyond its current av | vard period.) | | | |
| | | , | | | |
| | REVISION of application number (This application replaces a prior unfunded version of a new or cor | nneting continuation application) | | | |
| _ | | mpeting continuation application.) | | | |
| В. | ASSURANCES/CERTIFICATIONS | | | | |
| | The following assurances/certifications are made and verified by your sign | | | | |
| | | e only to new or revised applications being submitted to the PHS for the first are included in Section III.B, Policies, Assurances, and Certifications, of the | | | |
| | application instructions. If unable to certify compliance, provide an explan | | | | |
| C. | KIRSCHSTEIN-NRSA SENIOR FELLOWSHIP APPLICANTS ONLY | | | | |
| | 1. PRESENT INSTITUTIONAL BASE SALARY | | | | |
| | Amount Academic Period/number of months | | | | |
| | | | | | |
| | 2. STIPEND/SALARY DURING FIRST YEAR OF PROPOSED FELLOW | CHID | | | |
| | a. Stipend requested from PHS | Snir | | | |
| | Amount Number of months | | | | |
| | Amount Number of months | | | | |
| | | <u></u> | | | |
| | b. Supplementation from other sources | | | | |
| | Amount Number of months | Type (sabbatical leave, salary, etc.) Source | | | |
| | | <u></u> | | | |
| | | | | | |
| | | | | | |
| D. | TUITION, FEES AND HEALTH INSURANCE | | | | |
| | , | D | | | |
| | Predoctoral applicants should list estimated combined costs of tuition, fees estimated costs for the tuition and fees for courses planned that support the | | | | |
| | courses should be described under Item 30, Research Training Plan. Hea | | | | |
| | allowance. | | | | |
| Se | ction II Sponsoring Institution | | | | |
| | | •Human Subjects; •Research Using Human Embryonic Stem Cells; | | | |
| | e following assurances/certifications are made and verified by signature of the Official Signing for Sponsoring Institution in | •Research on Transplantation of Human Fetal Tissue; •Research | | | |
| Iter | m 38. Descriptions of sponsoring institution | Misconduct; •Recombinant DNA and Human Gene Transfer Research; •Vertebrate Animals; •Debarment and Suspension; •Civil Rights (Form | | | |
| assurances/certifications are included in Section III.B, Policies, | | | | | |
| HHS 690); •Sex Discrimination (Form HHS 639-A or HHS 690); | | | | | |
| | planation and place it after this page. | Discrimination (Form HHS 680 or HHS 690); •Financial Conflict of Interest. | | | |
| | | | | | |

| Name of Applicant | (1 ast first mid | dle). |
|--------------------|-------------------|-------|
| Maine of Applicant | Last. IIIst. IIIu | uiei. |

Targeted/Planned Enrollment Table

This report format should NOT be used for data collection from study participants.

Study Title:

Total Planned Enrollment:

| TARGETED/PLANNED ENROLLMENT: Number of Subjects | | | | | |
|---|------------|-------|-------|--|--|
| Ethnic Category | Sex/Gender | | | | |
| | Females | Males | Total | | |
| Hispanic or Latino | | | | | |
| Not Hispanic or Latino | | | | | |
| Ethnic Category: Total of All Subjects* | | | | | |
| Racial Categories | | | | | |
| American Indian/Alaska Native | | | | | |
| Asian | | | | | |
| Native Hawaiian or Other Pacific Islander | | | | | |
| Black or African American | | | | | |
| White | | | | | |
| Racial Categories: Total of All Subjects * | | | | | |

^{*}The "Ethnic Category: Total of All Subjects" must be equal to the "Racial Categories: Total of All Subjects."

| (Last, first, middle) | dle). |
|-----------------------|-------|
|-----------------------|-------|

Inclusion Enrollment Report

This report format should NOT be used for data collection from study participants.

| Study Title: | | | | |
|--|---------------|--------------|----------------------------|-------|
| otal Enrollment:Protocol Number: | | | | |
| Grant Number: | _ | | | |
| PART A. TOTAL ENROLLMENT REPORT: Number by Ethnic | of Subjects I | | Date (Cumulativ | /e) |
| | Sex/Gender | | | |
| Ethnic Category | Females | Males | Unknown or Not Reported | Total |
| Hispanic or Latino | | | | ** |
| Not Hispanic or Latino | | | | |
| Unknown (Individuals not reporting ethnicity) | | | | |
| Ethnic Category: Total of All Subjects* | | | | + |
| Racial Categories | | | | |
| American Indian/Alaska Native | | | | |
| Asian | | | | |
| Native Hawaiian or Other Pacific Islander | | | | |
| Black or African American | | | | |
| White | | | | |
| More than one race | | | | |
| Unknown or not reported | | | | |
| Racial Categories: Total of All Subjects* | | | | , |
| | | | | |
| PART B. HISPANIC ENROLLMENT REPORT: Num (Cumulative) | ber of Hispar | nics or Lati | nos Enrolled to | Date |
| Racial Categories | Females | Males | Unknown or Not Reported | Total |
| American Indian or Alaska Native | | | | |
| Asian | | | | |
| Native Hawaiian or Other Pacific Islander | | | | |
| Black or African American | | | | |
| White | | | | |
| More Than One Race | | | | |
| Unknown or not reported | | | <u> </u> | |
| Racial Categories: Total of Hispanics or Latinos** | | | | ** |
| These totals must agree. | | | | |

^{**} These totals must agree.

| \neg | ~4 | 1 |
|--------|----|---|
| | | |

Personal Data on Kirschstein–NRSA Individual Fellowship Application Continuation Page

NAME OF APPLICANT (Last, first, middle initial)

CONTINUATION PAGE

PHS 416-1 (Rev. 06/02)

Applicant's Instructions for Submission of References

This notice explains the submission of references for Ruth L. Kirschstein National Research Service Award Individual Fellowship applicants. Applications will not be reviewed unless at least three (3) references are received with the application. Applicants are responsible for complete applications reaching the PHS on schedule.

Submission Process

Forward reference forms to referees with sufficient lead time so that the completed forms will be part of the application package. Fill out upper right corner before forwarding to referee. Referees should be provided with postage-paid return envelopes addressed to you with the following words in the front bottom left corner — DO NOT OPEN—PHS USE ONLY. Attach unopened references to the front of the original application and submit the entire package by the submission deadline.

Note to Respondent

The applicant is applying for a competitive Ruth L. Kirschstein National Research Service Award Individual Fellowship from the Public Health Service (PHS) for research training in health-related areas. Your assessment of the applicant's potential for a research career is requested. The references will be used by PHS committees of consultants in assessing applicants.

At least three references must be submitted with the application or the application will be returned. *Please complete this form and return it to the applicant in sufficient time for the applicant to meet the deadline date.*

Complete the form in English. The form should be typed if possible. If any part of the form is handwritten, use a black pen. The color blue does not reproduce. If the space provided is inadequate, use an 8-1/2 x 11" sheet of paper and put the applicant's name in the upper right corner.

Although the Privacy Act of 1974 allows NSRA applicants to have access to personal information contained in their records, we have asked the applicant to provide you with a self-addressed envelope with — DO NOT OPEN—PHS USE ONLY — in the front bottom left corner. Applicants are asked not to open the references in order to protect the confidentiality of the process. Thank you for your assistance.

PHS estimates that it will take 45 minutes to complete this form. This includes time for reviewing the instructions, gathering needed information, and completing the form. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. If you have comments regarding this burden estimate or any other aspects of the collection of information, including suggestions for reducing this burden, send comments to NIH Project Clearance Office, 6705 Rockledge Drive MSC 7974, Bethesda, MD 20892-7974, Attention: PRA (0925-0002). **DO NOT RETURN THE COMPLETED FORM TO THIS ADDRESS.**

Department of Health and Human Services Public Health Service

NAME OF APPLICANT (Last, first, middle initial)

Reference

Ruth L. Kirschstein National Research Service Award Individual Fellowship

PROPOSED SPONSORING INSTITUTION

(Applicant completes this block.)

Compare the applicant with other individuals of similar training and experience with whom you have been associated. Use the following numerical scores. Mark every block; insert "X" if insufficient knowledge to rate and "NA" if not applicable.

- 1 Outstanding -- comparable to the best individual in a current class or research laboratory (upper 5%)
- 2 Excellent -- upper 6 to 20%

4 - Good (Average) -- middle 41 to 60%

3 - Very Good (Above Average) -- upper 21 to 40% 5 - Fair (Below Average) -- lower 40%

Use black ink.

Research Ability and Potential Originality

Written and Verbal Communications Accuracy

Perseverance in Pursuing Goals Scientific Background

Self-Reliance and Independence Familiarity with Research Literature

Clinical Proficiency, if relevant

Ability to Organize Scientific Data

Laboratory Skills and Techniques, if relevant

Describe your association with the applicant. Comment on the above items, including other areas as appropriate, identifying the strengths and weaknesses that should be considered in evaluating the applicant's potential for a research career. (Use continuation pages as necessary.)

| DATES ASSOCIATED WITH APPLICANT | | CAPACITY AT THAT TIME (Teacher, dissertation advisor, supervisor, or other) (Use continuation pages as necessary.) | | | |
|---|-----------|--|------|--|--|
| RESPONDENT (Name, title, department, and institution) | | | | | |
| | | | | | |
| | | | | | |
| TELEPHONE NUMBER | SIGNATURE | | DATE | | |
| | | | | | |
| | | | | | |